

CITY OF SIERRA VISTA
AMENDMENTS TO THE
NATIONAL ELECTRICAL CODE
2014 EDITION

1. Article 210.8 (A)(5) – Amend to read: All 125-volt, single phase, 15-and 20-ampere receptacles installed in ground level rooms and unfinished basements shall have ground-fault circuit-interrupter protection for personnel. For purposes of this section, ground level rooms and unfinished basements are defined as areas not intended as habitable rooms and limited to storage areas, work areas, and the like. (The exception shall remain unchanged.)

2. Article 210.8 (B)(3) – Amend to read: Rooftops. The receptacle(s) shall have the reset located on the roof.

3. Article 210.12 (A) – Amend by adding a second paragraph: All 120-volt, single phase, 15- and 20-ampere branch circuits throughout dwelling units including: bathrooms, other than the required GFCI protected branch circuits, shall be protected by a listed arc-fault circuit interrupter.

4. Article 210.52 (A)(2)(1) – Amend by deleting the words “fireplaces” and “fixed cabinets.”

5. Article 210.52 (H) – Amend by adding the following after the first sentence: Hallways and foyers 5 feet or greater in width shall have receptacle spacing as required by NEC Article 210.52 (A) and IRC Section E3801.2.

6. Article 210.52(I) – Amend by deleting the entire section.

7. Article 210 – Amend by adding – **Article 210.65 Commercial Buildings.** 125-volt, single phase, 15-or 20-ampere-rated receptacle outlets shall be provided in the locations specified below.

- I. Outdoors, near the front and rear entrances, accessible at grade level. NEC Article 210.8 (B) shall apply.
- II. In all restrooms, adjacent to and within 3 feet of the outside edge of one basin. NEC Article 210.8 (B) shall apply.

8. Article 210.71 – Power Source – Amend by adding the following Section: Where required, smoke alarms shall not be installed on a dedicated circuit and shall originate from a general-purpose branch circuit.

9. Article 215.2 (A)(1) – Amend by adding the following before the first sentence: Feeder conductors shall have an ampacity of the highest rating of the equipment.

Article 230.6 – Amend by adding a second paragraph: A recessed service entry is not permitted.

Article 230.70 – Amend by adding the following after the first paragraph: Service disconnecting means and risers shall be surface mounted.

Article 230.70 (A)(1) – Amend to read: The service disconnecting means shall be installed at a readily accessible location outside the building or structure. *Exception:* The service disconnecting means may be installed inside of the building when a remote means of disconnecting the service is provided from outside of the building.

Article 230.70 (A)(1) – Amend by adding a second paragraph: For one-family dwellings, except mobile and manufactured homes, the service disconnecting means shall be permanently installed on the outside of the structure.

Article 230.79 (C) – Amend to read: For a one-family dwelling, the service disconnecting means shall have a rating of not less than 200 amperes, 3-wire. *Exception:* Existing structures.

Article 230.90 (A) – Amend by adding the following before the first sentence: The ungrounded conductor shall have an ampacity of the highest rating(s) of the service equipment.

Article 250.50 – Amend by adding a second paragraph: All accessory structures with a poured foundation require the installation of a concrete-encased electrode as required by NEC 250.52 (A)(3) and IRC Section E3508.1.2.

Article 250.68 (C)(3)- Amend by deleting the entire section.

Article 300.1 – Amend by adding – **Article 300.1 (D) Special Requirements.** The following requirements shall apply to all work except R-1, R-2, R-3, and R-4 Occupancies (as defined in the International Building Code) and U and S Occupancies accessory to R-1, R-2, R-3, and R-4 (including feeders and home runs serving these excepted occupancies).

- I. All wiring shall be installed in Rigid, IMC, EMT, PVC (below top of slab), MC, AC, or steel flexible metal conduit, as permitted by this code.
- II. Existing energized wiring may remain if it was lawfully installed to code.
- III. Changes to an existing circuit require any wiring method listed in (1) above with installation back to the panel.
- IV. Conductors shall not be smaller than No. 12 copper or equivalent. Control circuits shall be per load requirements.
- V. Unused conduit, conductors, and cables located above accessible ceilings and in accessible walls shall be removed.

Article 300.21 – Amend by adding paragraphs 2 and 3:

Penetrations of one-hour fire-resistance-rated walls shall require approved metallic raceway with 12-inch extensions on both sides of the wall. The penetrations of the wall and the conduit ends shall be fire safe.

Penetrations of two-hour, or greater, fire-resistance-rated walls shall require approved metallic raceway with 5-foot extensions on both sides of the wall. The penetrations of the wall and the conduit ends shall be fire safe.

Article 334.12 (A) – Amend by adding item 11: (11) In other structures as specified in Article 300.1 (D).

Article 406 – Amend by adding – **Article 406.4 (A)(1) Installation.** When installed in a vertical position, grounding-type receptacles shall be installed with the grounding contacts down. When installed in the horizontal position, grounding-type receptacles shall be installed with the grounding contacts on the right.

Article 406.4(D)(4)(3) – Amend by revising effective date of January 1, 2014 to read: This amendment becomes effective at the time of adoption of the 2014 NEC. This requirement applies to all installations when a permit is required by code.

Article 408 – Amend by adding – **Article 408.31 Subpanels and Low-Voltage Boxes.** Subpanels and low-voltage boxes shall not be located in any firewall, fire barrier, fire partition, or in the garage side of the common wall separating the dwelling from a garage or carport. Subpanels and low-voltage boxes may be surface mounted on any of the above-mentioned walls.

Article 410.16 – Amend the title: Luminaires in Clothes Closets, Pantries, and Storage Rooms. (All references in this article and section to closet or clothes closet shall apply to clothes closets, pantries, and storage rooms.)

Article 410.30 (B)(3) – Amend the first sentence: All metal poles supporting lighting fixtures shall have a 20-foot coil of #4 copper installed at the base of the footing and extended to a separate grounding termination point on the pole.

Article 450.13 – Amend by adding paragraph (C): (C) Doorbell transformers shall not be permitted in a closet, pantry, or storage room. If a remote receptacle is installed for an alarm system transformer, it shall be located above the door.

Article 720.11 – Amend to read: Circuits operating at less than 50 volts shall be installed in a neat and workmanlike manner. Cables shall be supported by the building structure, independently of suspended ceiling wires, every 6 feet. Cables shall be installed parallel or perpendicular to the building framing.